

<b>∰</b> 5₁	ynthematix Protocol	Manager ver. 0.90	b				□ □ ×
Name	Partition of the	CAS	Foi	mula		Weight	
			15.23		Starting	Flask	
	gents		Lookup	10 B 10 B			4
	CAS Nam	e	We	light Amount (g)	Equipp	ed with:	
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5.	'			- Gara	1	<del></del>	
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8.				. J.		in in the same of	
9.				108.80		<del>valdamit janda 11 liinga tama</del>	
10.				[2#46.52]			
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FIG. 4

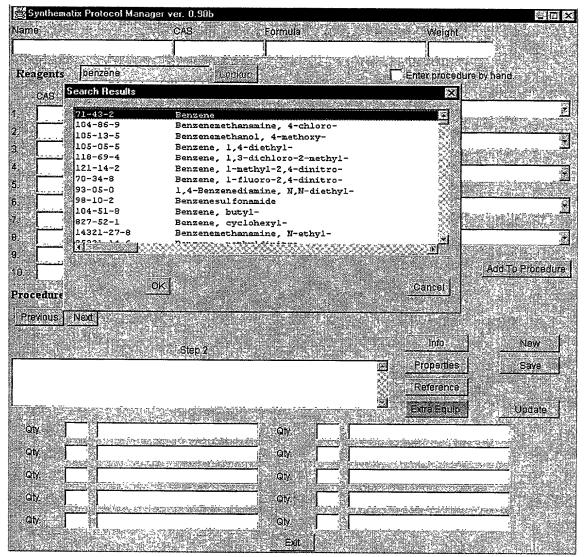


FIG. 5

Synthematic	к Protocol Manager v	rer. 0.90b	No X
Name		NAME OF THE PARTY	<b>회</b>
	CAS	101-01-1	
Reagents			nand.
CAS	Name		1
1. 101-01-1	Weight		Ē
2   3			7
3 4	Formula		
5.	Density		<u>.</u>
6 <b> </b> 7	Cellois		
	BP -		
8. <u> </u>			
10.	FP.		ad To Procedure
Procedure	MP		
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	Vapor Pressure		100 L 100 100 L 100 100 L
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FIG. 6

Synthematix Pro	tocol Manager v	OF MALL SHOW ON LINE SHOW THE STATE OF THE SHOW I WAS			ĕ lai ×
Name		CAS	Formula	Weight	
Reagents		Lookup		Enter procedure by n	and.
CAB	Name		Weight Amount (g)		
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4				Action:	<b>-</b>
5 <u> </u>					
6	1			Reagent	3
/,	<del>                                     </del>			Time:	
9				inne 1	
10.				Reset Ac	ld To Procedure
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		The second second			New York
Previous Next					
		Step 2	f .	Info	New
				Properties	Save
				Reference	
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FIG. 7

Synthemal	tix Protocol Managei	ver. 0.90b			≥ le le
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				Eillei bloceadi	e by nano.
CAS	Name	Weigh	it Amount (g)	Action:	· ·
1					<u>ت</u>
<u> </u>				Qualifier:	¥.
				Action:	\$
}					<b></b>
). · · ·				Reagent	<u> </u>
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FIG. 8

Synthematix P	rotocol Manager v	Sup. NO. A. Street Street Propriet Com. Supr. Supr. Supr.					×
Name		CAS	Formula		Weight		
			1				
Reagents		Looki	<u>re</u>		Enter proced	ure by hand,	
CAB	Name		200 Carlotte Contract	vmount (g)	Action:		7
}							
3.	Search Result					×	
4.	Glass stir Overhead, s	tirrer					3
5	Teflon sti	r paddle					
7							
2							Ī
10.						J To Procedur	븨
Procedure	<u> </u>						
Previous Next	1	ок		eg	7	ancel	
		لبب			<u>- 2</u>	New	
				Ž.	Properties	Save	
				\$ \$ •	Reference		
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Gty.		27,514,690,542,iandika .	Gty.				
			Exit				

FIG. 9

Synthematix F	rotocol Manager ver. 0.90q					E
le : Apparatus	Amosphera Operations					
ame	CAS	Formula		Weight		
(allylamino)-5-ami	no-4-chloropyrimidine R00-02-3	C7H9N4C	1	184.63		
		ermel		Starting Flask		
	oenzene <u>Lo</u> c	ikup		Round bottom 3-ne	ck flask	1
CAS	Name	Weight	Amount (g)	Equipped with:		
R00-02-4	5-smino-4,8-dichloropyrimidine	163.99	50		****	
107-11-9	2-Propen-1-amine	57.09	100			ij
64-17-5	Ethenol	46.07	100		Marie M Marie Marie Ma	Ī
71-43-2	Benzene	78.11	3146.4	**************************************	war ( o Carpingan a a o	
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					and the second second	
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revious Next						
				and the second	er I managemen	
	Step 1			<u> 1.1 hfa j</u>	N	∂¥* .
to a round botto	m 3-neck flask was added <gno></gno>	grams ( <mno< td=""><td>&gt; mol) of</td><td>Properties</td><td><u> </u></td><td>ave</td></mno<>	> mol) of	Properties	<u> </u>	ave
-amino-4,6-dich	ioropyrimidinė			Reference	<b>II</b>	
TINES AND TOTAL	ran en	THE STATE OF STATE OF THE STATE OF STAT		Extra Equi		date
				Extracted		raig

FIG. 10

	Protocol Manager ver. 0.90q Armosonere » Operations					) III
Name	CAS	Formula		Wei		
o-(allyiamino)-o-ami	ino-4-chloropyrimidine R00-02-3	C7H9N4C	) 	184.	.63	
Reagents [	benzene	ookup		Enter pro	ocedure by hand	
CAS	Name	Weight	Amount (g)			
R00-02-4	5-amino-4,6-dichloropyrimidine	163,99	50	Action:	<u> </u>	<u>l</u>
107-11-9	2-Propen-1-amine	57.09	100	Qualifier	The aqueous phase	
64-17-5	Ethanol	46.07	100	Muaimer.	The organic phase	
71-43-2	Benzene	78.11	3146.4	Action:	The reaction mixture The solids	
			<del> </del>	Reagent	The solvent To the flask	
			+	(reage:iu	To the stirring mixture	] .
7,200				Time:		
. <u> </u> o				Reset	Add To Procedure	ı
	_ <b>/</b> .		1	-	ad for justicums	
rocedure						
Previous Next	The second of the second					
	Step 7			j je	nfo New	
***************************************	And the second s			E Prop	erties - Seve	
					sence	-
				e second	Equip Update	(s)
				<u></u>		

FIG. 11

		rotocol Manager ver. 0.90q					
FUE	Apparatus)	Atmosphere Operations					
Nan	ne .	CAS	Formula	i	Weight		
8-(a	llylamino)-5-amlr	no-4-chloropyrimidine R00-02-3	C7H9N40		184.63		
	-	The state of the s					
Re	<b>agents</b> b	enzene Lo	okup		Enter proce	dure by hand.	
	CAS	Name	Weight	Amount (g)	_		
1.	R00-02-4	5-amino-4,6-dichloropy/imidine	163.99	50	Action: To	the flask	<u> </u>
2.	107-11-9	2-Propen-1-amine	57.09	100	Qualifier w		<del></del>
3.	64-17-5	Ethanol	46,07	100	W.	<b>25</b>	3
4.	71-43-2	Benzene	78.11	3146 4	Action: ad	ded	<del>-</del> -
5.							
6.	<u></u>				Reagent Fe	egent 2	
7. 8.	<u> </u>			4			
9.	) 			<del> </del>	Time:		Ŀ
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	I			1			<u> </u>
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_		Step 2			<u>.</u> info		New
10 t   ≺GN	ne ilask was a l2> grams ( <m< td=""><td>dded <gn1> grams (<mn1> mol (N2&gt; mol) of Ethanol</mn1></gn1></td><td>) of 2-Propen-1</td><td>-amine and</td><td>Properti</td><td><u> </u></td><td>Save III</td></m<>	dded <gn1> grams (<mn1> mol (N2&gt; mol) of Ethanol</mn1></gn1>	) of 2-Propen-1	-amine and	Properti	<u> </u>	Save III
	- ,	•			Referen	ce	
l .					Extra Eq.	iip.	Update
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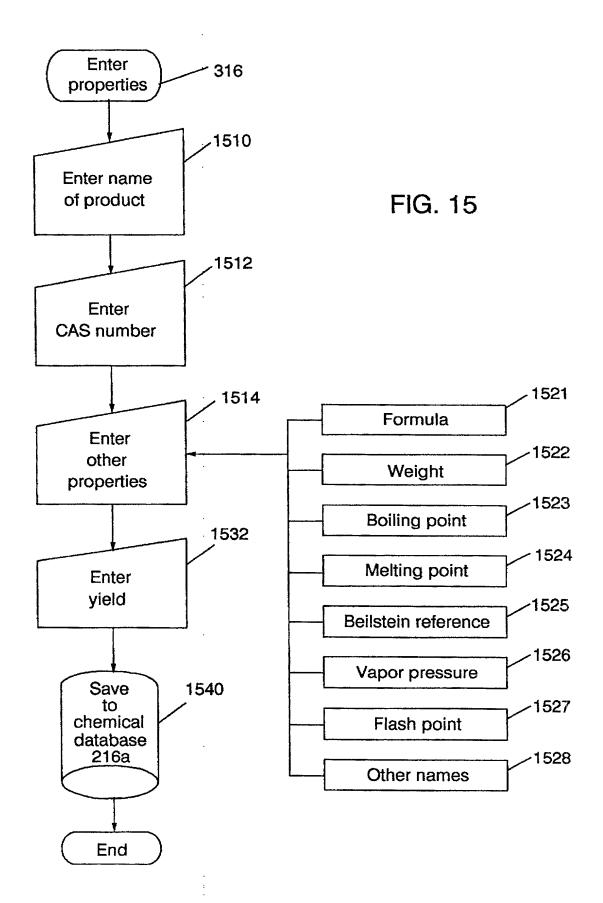
FIG. 12

Atmosphere - Operation			enannemannen en en en en		
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	an warm, him sudden maring as a sec	2.4 Sept. 1889 Conf. 1888		Weight	
o-4-chioropyrimidine R00-0	2-3	C7H9N4C	Mangalangan na	184.63	
	—				
sircelle	FEODKOD			I Enter procedure by	hand.
Name			Amount (g)	Action:	
	nidine .	163.99	50	vennir [	
		57.09	100	Qualifier I	
Ethanol		46.07	100		
Benzene		78.11	3146.4	Action:	<b>3</b>
					ت
		N. Callington and a		Reagent	7
		. 7. 38% J. J. 337 FF			
		Tak titanam me		Time:	<u> </u>
		The factor is a second		Commission of the Commission o	
		Zware, azemen		Reset Add	To Procedure
				l com	New E.
N2> mol) of Ethanol	N ( ≥ MOI) Of 2-1	-ropen-1-	amine and	<del> </del>	Save
				크 Extre Equip.	Update
	Name  5-aning-4 8-dichloropyra  2-Proper-1-anine  Ethanol  Benzene	p-4-chloropyrimidine: R00-02-3  Enzene Ecokup  Name  5-amino-4,6-dichloropyrimidine  2-Propen-1-amine  Ethanol  Benzene  Step: 2  dded <gn1> grams (<mn1> mol) of 2-</mn1></gn1>	Detail   Robert   Rob	C7HSN4C	Properties   Pro

FIG. 13

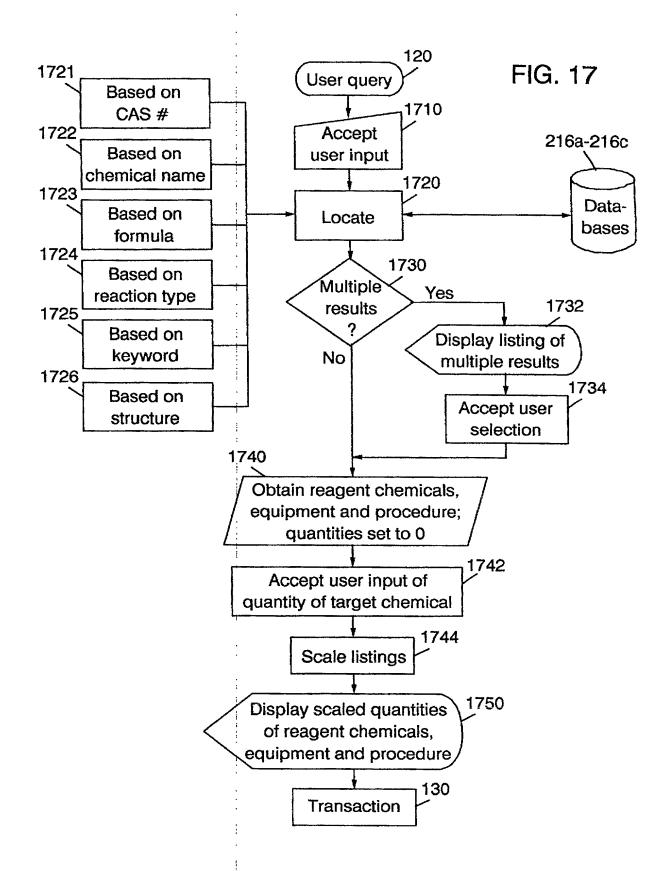
Synthematix Protocol Mana	ger ver. 0.90b			
Name	CAS	Formula	Weight	
Reagents	Lookup		Enter procedure	by hand.
CAS Name		Weight Amount (g)		
t. [ [alice			Action:	
2			Qualifier:	
2			Adamer. J	ك
4			Action:	<b>_</b>
5		<u>Luddi</u> š		
6			Reagent	<u>z</u>
			Time:	
9.			inac 1	<u>*</u>
10.			Reset	Add To Procedure
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	S-8.6 / / / / / / / / / / / / / / / / / / /	£		
		Exit		

FIG. 14



8										_l⊡i3	Ž.
File	Apparatu	s Almost	hers Operations			1.					
Nam	Ment of the second		CAS		Formula			Weight			
6-(all)	ylamino)-5-a	mino-4-chlor	opyrimidine R00-02-3	i Siningi (Tangga	C7H9N4CI	\$0 pt 1588		184.63			
Re	agents	benzene		Lookup	1		r				
				LUUKUP				Enter proce	dure by hand.		
	CAS R00-02-4	Name Senio	a 4.8-dichloropyrimid		40.00	Amou	nt (g)	Action:		Ŧ	X
2	107-11-9		en-1-amine	не	163.99 57.09	50 100	<u></u>	1			
	64			Committee of the Commit	J77.09	1100		Ordina I		arazıl	
4.	71								August 1		
5.	Ť.										
8.		Author	Thomas et al.		Jour	nai	acid chemistry				
7.		Year	1968		14	/al	1				
θ				46.0							
9. 10.	H	, Påge	22 \$	4							
, ,		i e			Clos	e]					d
Proc	edure										
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	COS   Nex	<b>u</b>									
								Into	111	New	
The	extracts are	then evan	Step & roated to dryness a	nd can be re	envetalli <del>s</del> o	d from		Properti			200
petro	leum ether	to give a p	ure product	nd can be is	scrystanize	0 110111	旦	-		Save	
	C.Ouist management	Managaran da managaran	L.N., Y.C.S., UV EXPERIENCE,				γľ	Referen	<del></del>		
								Extra Eq	<u> </u>	Update	

FIG. 16



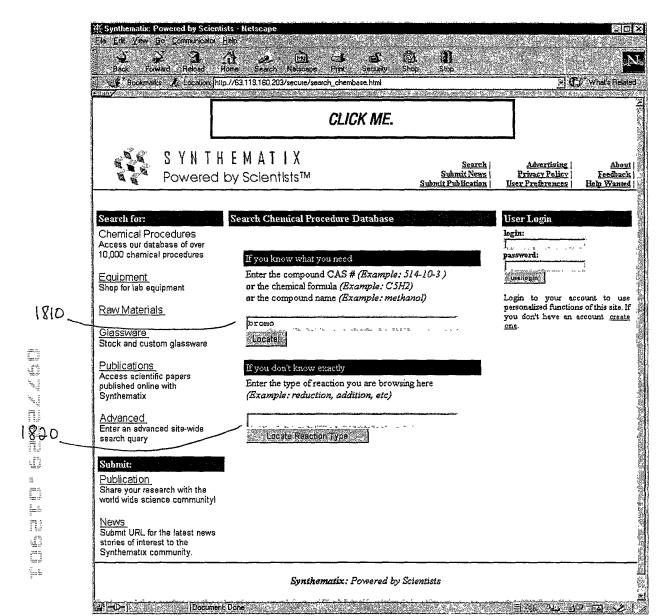


FIG. 18

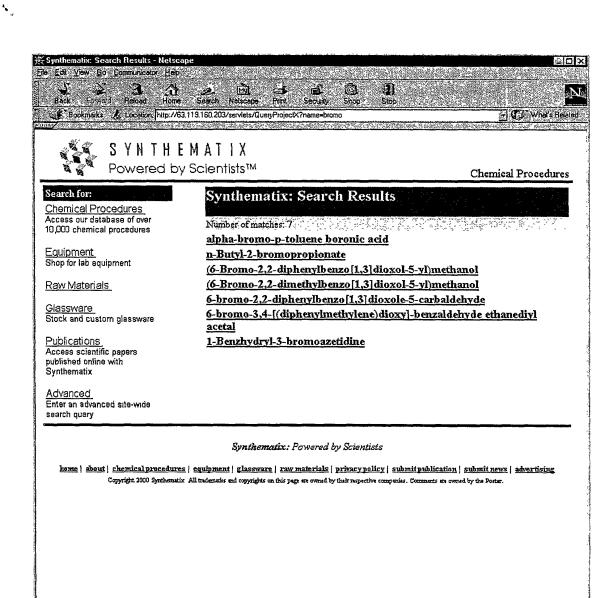


FIG. 20

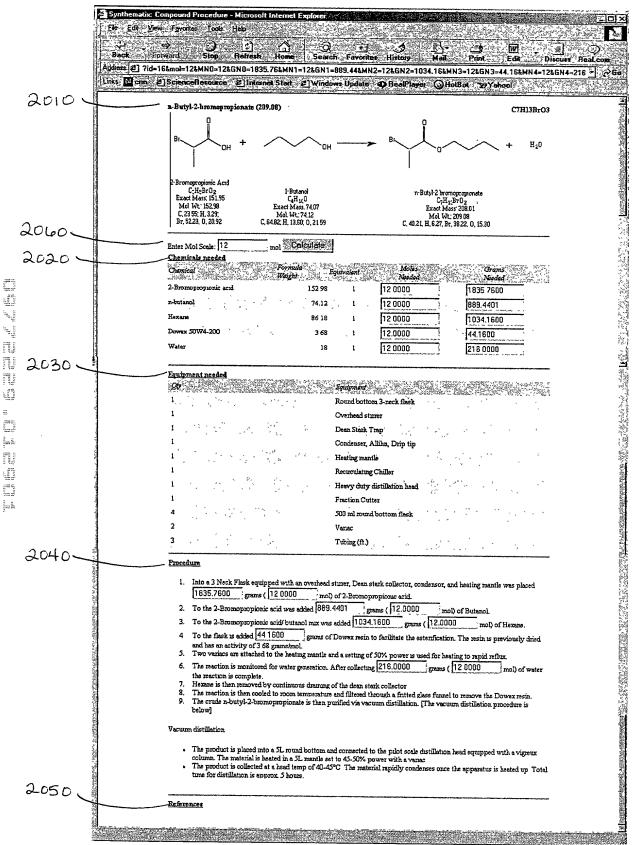


FIG. 21

FIG. 22

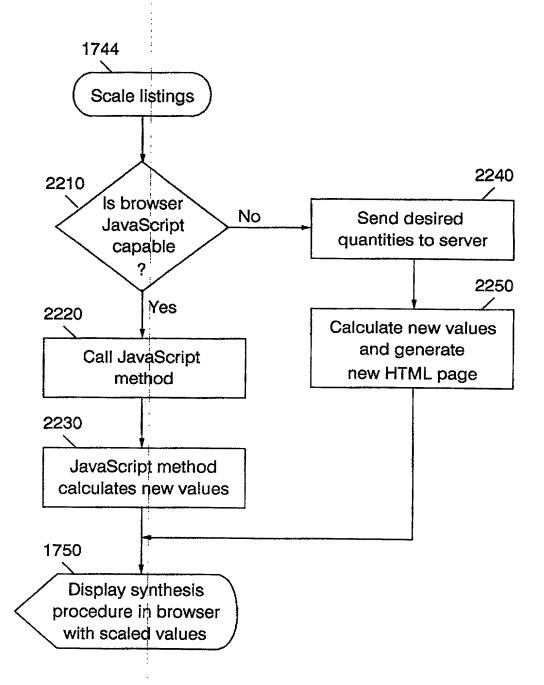


FIG. 23

